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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/711,842	10/08/2004	Markus Reiter	20067US	5841
23470	7590	01/28/2008		
SRAM CORPORATION 1333 N. KINGSBURY, 4TH FLOOR CHICAGO, IL 60622			EXAMINER IRVIN, THOMAS W	
			ART UNIT 3683	PAPER NUMBER
			NOTIFICATION DATE 01/28/2008	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/711,842	Applicant(s) REITER, MARKUS	
	Examiner THOMAS W. IRVIN	Art Unit 3683	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 January 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) 10,11,13,14 and 17-23 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9,12,15 and 16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 October 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>20080109, 20050118, 20050111</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

Claims 10, 11, 14, and 17-23 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected species, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on January 9, 2008.

Claim 13 is withdrawn from consideration because it is dependent on a nonelected claim.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitation "sprocket" in line 15. There is insufficient antecedent basis for this limitation in the claim. Additionally, in line 13 "including" should be changed to -- includes --.

The claims are generally narrative and indefinite, failing to conform with current U.S. practice. They appear to be a literal translation into English from a foreign document and are replete with grammatical and idiomatic errors.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-9, 12, 15, and 16 are rejected under 35 U.S.C. 102(b) as being anticipated by Kamada (6,340,338).

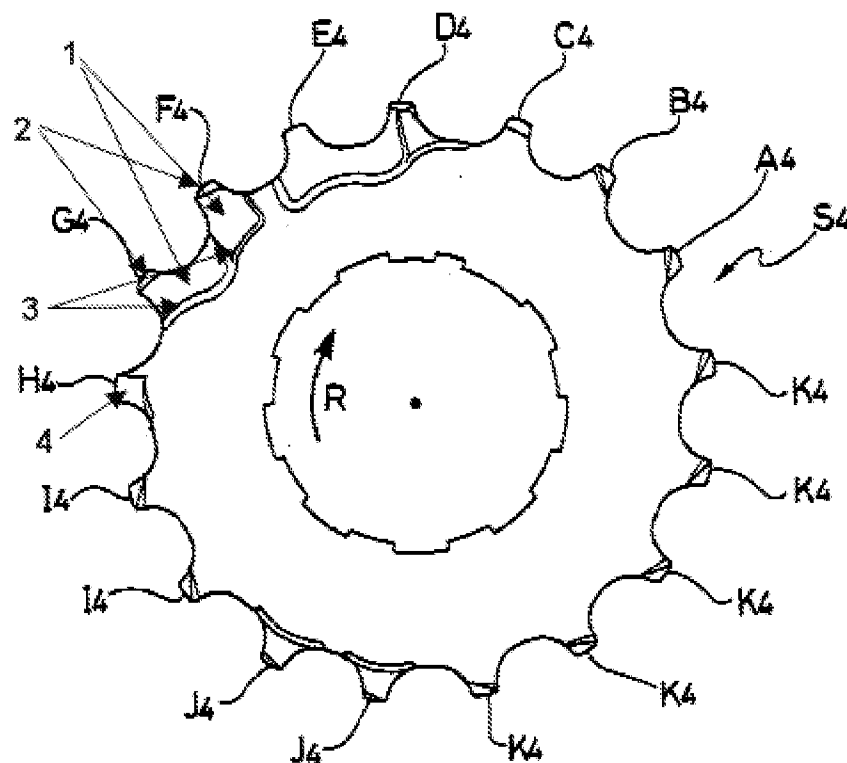


FIG. 12

In Re claim 1, with reference to Fig. 3, 13, and 12 (above), '338 discloses a chainwheel assembly including a plurality of chainwheels (s1-s7) engageable with a

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chain (23) having successive alternating pairs of inner link plates and outer link plates connected by pins, the pins surrounded by rollers, the chainwheel assembly comprising: at least one smaller chainwheel (s3) having a plurality of teeth spaced about its circumference; and at least one larger chainwheel (s4) having a greater number of teeth spaced about its circumference than the smaller chainwheel, the larger chainwheel and the smaller chainwheel oriented relative to each other such that a distance between a center of the chain roller positioned between a pair of adjacent teeth on the larger chainwheel and the center of the chain roller between a pair adjacent teeth on the smaller chainwheel is substantially an integer multiple of the chain pitch, at least a first tooth (f4) of the pair of adjacent teeth (F4,G4) on the larger chainwheel includes a lateral recess (1) disposed on a front face of the larger chainwheel facing the smaller chainwheel to allow the chain to move from the smaller chainwheel towards the larger chainwheel, at least a second tooth (G4) of the pair of adjacent teeth disposed adjacent to the first tooth opposite the drive rotation direction having a configuration to prevent the second tooth from capturing the chain.

In Re claim 2, '338 further discloses that the recess is configured to include a run-on ramp (3) for lifting the chain, the run-on ramp extending to a tooth root of the second tooth.

In Re claim 3, '338 further discloses that the run-on ramp extends, at the tooth root, into the outer periphery of the larger chainwheel.

In Re claim 4, '338 further discloses that the second tooth includes a recess for lifting the chain (1).

In Re claim 5, '338 further discloses that the larger sprocket includes a third tooth (H4) disposed adjacent the second tooth opposite the drive rotation direction includes a run-out chamfer (4) disposed on the front face of the larger chainwheel, the run-out chamfer extending obliquely backward opposite to the drive rotation direction to provide a shifting lane for the link plate.

In Re claim 6, '338 further discloses that the two recesses (1) are combined into one recess extending over the first tooth and the second tooth.

In Re claim 7, '338 further discloses that the recess has a depth approximately equal to a thickness of the link plate.

In Re claim 8, '338 further discloses that the second tooth (G4) includes a deflection chamfer (2) directed toward the smaller chainwheel to prevent the second tooth from capturing the chain.

In Re claim 9, '338 further discloses that the deflection chamfer is pronounced on an edge of the second tooth pointing in the drive rotation direction and tapers off toward a back of the tooth on an opposite edge of the second tooth.

In Re claim 12, '338 further discloses that the first tooth and the second tooth each include a deflection chamfer (2) directed toward the smaller chainwheel to prevent the first tooth and the second tooth from capturing the chain.

In Re claim 15, '338 further discloses that the tooth backs of the first tooth and the second tooth are located directly on a back face of the larger chainwheel facing the next larger chainwheel such that at an end of the shifting operation, the inner link plate

has traveled a maximum axial shifting distance before it slides over the tooth back before the chain capture tooth.

In Re claim 16, '338 further discloses that the first, second and third tooth comprise tips that are chamfered on the front face (2,4).

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to THOMAS W. IRVIN whose telephone number is (571)270-3095. The examiner can normally be reached on Mon-Fri 8am-4pm, Alt Fri off (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Siconolfi can be reached on (571) 272-7124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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/Thomas W. Irvin/
Examiner, Art Unit 3683

/Robert A. Siconolfi/
Supervisory Patent Examiner, Art Unit 3683